0570
0726

#11

ENTERED OIPE

RAW SEQUENCE LISTING DATE: 07/24/2002 P.6
PATENT APPLICATION: US/09/847,102A TIME: 11:41:11

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

<110> APPLICANT: University of California
Carson, Dennis A.
Corr, Maripat
Rhee, Chae-Seo
Lorenzo, Leoni M.
Malini, Sen
<120> TITLE OF INVENTION: IMMUNOLOGIC COMPOSITIONS AND METHODS FOR STUDYING AND TREATING CANCERS EXPRESSING FRIZZLED ANTIGENS
<130> FILE REFERENCE: 22000-20629.00
<140> CURRENT APPLICATION NUMBER: 09/847,102A
<141> CURRENT FILING DATE: 2001-05-01
<160> NUMBER OF SEQ ID NOS: 138
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Forward primer
<400> SEQUENCE: 1
cccagagctg caagagctac 20
<210> SEQ ID NO: 2
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Forward primer
<400> SEQUENCE: 2
gccgtgccgc tctatctgtg ag 22
<210> SEQ ID NO: 3
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Forward primer
<400> SEQUENCE: 3
ataggcctga tcatctgaat ctccttca 28
<210> SEQ ID NO: 4
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Forward primer

RAW SEQUENCE LISTING DATE: 07/24/2002
PATENT APPLICATION: US/09/847,102A TIME: 11:41:11

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

65 <400> SEQUENCE: 4
66 aacctcggct acaacgtgag accaagat 28
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 22
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Forward primer
76 <400> SEQUENCE: 5
77 atcggctaca acctgacgca ca 22
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 28
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Forward primer
87 <400> SEQUENCE: 6
88 tctggaatgt tcaccaaaca ttgaaact 28
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 25
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Forward primer
98 <400> SEQUENCE: 7
99 ctcatgaaca agttcggctt ccagt 25
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 27
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Forward primer
109 <400> SEQUENCE: 8
110 gatgaggatg agagtgaggt gacatcc 27
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Forward primer
120 <400> SEQUENCE: 9
121 cacgcgctgt gcatggag 18
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 19
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Forward primer
131 <400> SEQUENCE: 10

RAW SEQUENCE LISTING DATE: 07/24/2002
PATENT APPLICATION: US/09/847,102A TIME: 11:41:11

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

catggaggcg cccaacaac 19

<210> SEQ ID NO: 11
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 11
cacgatcagc gtcataaggt 20

<210> SEQ ID NO: 12
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 12
gtggcgcggg aagtgctc 18

<210> SEQ ID NO: 13
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 13
tcttggcaca tcctcaaggt aataggtt 28

<210> SEQ ID NO: 14
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 14
gtactggatg agcggtgtga aagttgt 27

<210> SEQ ID NO: 15
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 15
atgggcgtgt acatagtgca taggaag 27

<210> SEQ ID NO: 16
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Reverse primer
<400> SEQUENCE: 16
tttctcataa agtttacgac aaggtgga 28

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/847,102A

DATE: 07/24/2002
TIME: 11:41:11

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

200 <210> SEQ ID NO: 17
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Reverse primer
208 <400> SEQUENCE: 17
209 cgcggtaggg taggcagtgg 20
211 <210> SEQ ID NO: 18
212 <211> LENGTH: 25
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Reverse primer
219 <400> SEQUENCE: 18
220 actcagactt cctggctctc aggtg 25
222 <210> SEQ ID NO: 19
223 <211> LENGTH: 27
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Reverse primer
230 <400> SEQUENCE: 19
231 ggctcttctc cacgtactgg aacttct 27
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 20
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Reverse primer
241 <400> SEQUENCE: 20
242 gtccttcagc gggtgctcct 20
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 24
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: FZD2 primer (reverse)
252 <400> SEQUENCE: 21
253 cagcgtcttg cccgaccaga tcca 24
255 <210> SEQ ID NO: 22
256 <211> LENGTH: 24
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: FZD2 primer (forward)
263 <400> SEQUENCE: 22
264 ctagcgccgc tcttcgtgta cctg 24
266 <210> SEQ ID NO: 23

RAW SEQUENCE LISTING DATE: 07/24/2002
PATENT APPLICATION: US/09/847,102A TIME: 11:41:11

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: FZD 5 primer (forward)
<400> SEQUENCE: 23
ttcatgtgcc tggtggtggg c 21
<210> SEQ ID NO: 24
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: FZD5 primer (reverse)
<400> SEQUENCE: 24
tacacgtgcg acagggacac c 21
<210> SEQ ID NO: 25
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: G3PDH primer (forward)
<400> SEQUENCE: 25
accacagtcc atgccatcac 20
<210> SEQ ID NO: 26
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: G3PDH primer (reverse)
<400> SEQUENCE: 26
tacagcaaca gggtggtgga 20
<210> SEQ ID NO: 27
<211> LENGTH: 75
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: pFZD2-TT
<400> SEQUENCE: 27
Met Cys Val Gly Gln Asn His Ser Glu Asp Gly Ala Pro Ala Leu Leu
1 5 10 15
Thr Thr Ala Pro Pro Pro Gly Leu Gln Pro Gly Ala Gly Gly Thr Pro
20 25 30
Gly Gly Pro Gly Gly Gly Gly Ala Pro Pro Arg Tyr Ala Thr Leu Glu
35 40 45
His Pro Phe His Cys Gly Pro Ser Leu Val Asp Asp Ala Leu Ile Asn
50 55 60
Ser Thr Lys Ile Tyr Ser Tyr Phe Pro Ser Val
65 70 75
<210> SEQ ID NO: 28

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/24/2002
PATENT APPLICATION: US/09/847,102A TIME: 11:41:12

Input Set : D:\22000-20629.txt
Output Set: N:\CRF3\07242002\I847102A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:60; Xaa Pos. 464

VERIFICATION SUMMARY DATE: 07/24/2002
PATENT APPLICATION: **US/09/847,102A** TIME: 11:41:12

Input Set : **D:\22000-20629.txt**
Output Set: **N:\CRF3\07242002\I847102A.raw**

L:2562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:448